

**6074****VOLTAGE-REGULATOR**

MINIATURE GLOW-DISCHARGE TYPE

6074
PREMIUM TYPE

Intended for applications where very stable characteristics and dependable performance under shock and vibration are paramount. The 6074 is a "premium" version of the 0B2.

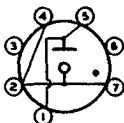
DATA**General:**

Cathode. Cold

Mechanical:

Mounting Position. Any
 Maximum Overall Length. 2-5/8"
 Maximum Seated Length. 2-3/8"
 Length, Base Seat to Bulb Top (Excluding tip). . . 2" \pm 3/32"
 Maximum Diameter. 3/4"
 Bulb. T-5-1/2
 Base. Small-Button Miniature 7-Pin (JETEC No. E7-1)
 Basing Designation for BOTTOM VIEW. 5BQ

Pin 1 - Anode
 Pin 2 - Cathode
 Pin 3 - Internal
 Connection-
 Do Not Use
 Pin 4 - Cathode



Pin 5 - Anode
 Pin 6 - Internal
 Connection-
 Do Not Use
 Pin 7 - Cathode

Maximum Ratings, Absolute Values:

AVERAGE STARTING CURRENT (See note below)	75 max.	ma
DC CATHODE CURRENT	{ 30 max.	ma
	{ 5 min.	ma
AMBIENT TEMPERATURE RANGE.	-55 to +90	°C
FREQUENCY.	0 max.	cps

Characteristic Range Values for Equipment Design:

	Min.	Av.	Max.	
DC Anode-Supply Voltage.	133 [▲]	-	-	volts
Anode Breakdown Voltage.	-	115	133 [▲]	volts
Anode Voltage Drop.	101 [▲]	108	114 [▲]	volts
Regulation (5 to 30 ma).	-	1	4 [▲]	volts

Circuit Values:

Shunt Capacitor. - - 0.1 μ f
 Series Resistor. See note below

NOTE: The notes and circuit information shown under Type 0A2 are also applicable to the 6074.

▲, ●, ▲: See next page.

MAY 1, 1952

TUBE DEPARTMENT

RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

TENTATIVE DATA

6074



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VOLTAGE REGULATOR**Shock and Vibration Tests:**

These tests are made as indicated in the JAN Specifications JAN 1-A for Electron Tubes, May, 1946 under the sections as follows:

Section F-6b (9e) Shock Test:

Instantaneous Impact Acceleration 900 max. g

Section F-6b (9f) Vibration Test:

Vibrational Acceleration. 2.5 max. g

- ▲ Not less than indicated supply voltage should be provided to insure "starting" throughout tube life.
- Maximum individual tube value during life.
- ★ Minimum individual tube value during life.

MAY 1. 1952

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